Amendments To The Claims:

Please amend the claims as shown.

1 - 4. (canceled)

5. (currently amended) An ultrasonic pick-up for acoustically diagnosing machines of the type generating normal operating noise in a relatively low spectral range and which generate fault-related noise in a relatively high spectral range which may overlap with the relatively low spectral range, comprising:

a piezoelectric measuring element for generating an electric measurement signal;

a housing that includes the piezoelectric measuring element;

~~an auxiliary power generated from the electric measurement signal;~~

a electronic circuit operatively connected to the piezoelectric measuring element, the electronic circuit coupled ~~adapted~~ to convert the electric measurement signal into an evaluation signal in the relatively high spectral range, ~~to a~~ form suitable ~~for transmission to an~~ evaluation ~~device located outside of the housing~~ and into a supply signal ~~to a form~~ in the relatively low spectral range suitable to provide power for operating the circuit,~~; and~~ the circuit including:

a ~~frequency separating~~ filter function for separating the electric measurement signal into~~:~~ the ~~an~~ evaluation signal ~~in a first frequency range,~~ and the ~~a~~ supply signal ~~in a second frequency range~~; and

an amplifier positioned in the circuit to amplify the evaluation signal so that it is suitable for transmission to an evaluation device located outside of the housing.

6. (currently amended) The ultrasonic pick-up according to claim 0, wherein the electronic circuit further ~~comprising~~ comprises a rectifying device for rectifying and smoothing the supply signal.

7. (new) The ultrasonic pick-up according to claim 5 wherein the relatively high spectral range of the first signal overlaps with the relatively low spectral range of the second signal.